

RECEIVED

APR 06 2001

1635

TECH CENTER 1600/2000

RAW SEQUENCE LISTING

DATE: 03/29/2001

PATENT APPLICATION: US/09/331,204A

TIME: 11:52:13

Input Set : A:\Sequence Listing.ST25.txt

Output Set: N:\CRF3\03292001\I331204A.raw

ENTERED

11 / K.T. 4/10

Rdw
Seq.
Listing

3 <110> APPLICANT: ICN Pharmaceuticals, Inc.
 4 Tam, Robert
 6 <120> TITLE OF INVENTION: G-rich Oligo Aptamers and Methods of Modulating an Immune Response
 8 <130> FILE REFERENCE: 216/013-US1
 10 <140> CURRENT APPLICATION NUMBER: 09/331,204A
 C--> 11 <141> CURRENT FILING DATE: 1999-08-20
 13 <150> PRIOR APPLICATION NUMBER: PCT/US97/23927
 14 <151> PRIOR FILING DATE: 1997-12-19
 16 <160> NUMBER OF SEQ ID NOS: 28
 18 <170> SOFTWARE: PatentIn version 3.0
 20 <210> SEQ ID NO: 1
 21 <211> LENGTH: 30
 22 <212> TYPE: DNA
 23 <213> ORGANISM: synthetic construct
 25 <400> SEQUENCE: 1
 26 ggggttcctcg gggaggagg gctggaaccc 30
 29 <210> SEQ ID NO: 2
 30 <211> LENGTH: 15
 31 <212> TYPE: DNA
 32 <213> ORGANISM: synthetic construct
 34 <400> SEQUENCE: 2
 35 ggagcacagg gtgct 15
 38 <210> SEQ ID NO: 3
 39 <211> LENGTH: 15
 40 <212> TYPE: DNA
 41 <213> ORGANISM: synthetic construct
 43 <400> SEQUENCE: 3
 44 tcatcacagg gtgct 15
 47 <210> SEQ ID NO: 4
 48 <211> LENGTH: 18
 49 <212> TYPE: DNA
 50 <213> ORGANISM: synthetic construct
 52 <400> SEQUENCE: 4
 53 ttggaggggg tggagggg 18
 56 <210> SEQ ID NO: 5
 57 <211> LENGTH: 18
 58 <212> TYPE: DNA
 59 <213> ORGANISM: synthetic construct
 61 <400> SEQUENCE: 5
 62 ggggaggagg ggctggaa 18
 65 <210> SEQ ID NO: 6
 66 <211> LENGTH: 21
 67 <212> TYPE: DNA
 68 <213> ORGANISM: synthetic construct
 70 <400> SEQUENCE: 6
 71 ggggtggagg ggggtgggg g 21
 74 <210> SEQ ID NO: 7

RAW SEQUENCE LISTING DATE: 03/29/2001
 PATENT APPLICATION: US/09/331,204A TIME: 11:52:13

Input Set : A:\Sequence Listing.ST25.txt
 Output Set: N:\CRF3\03292001\I331204A.raw

```

75 <211> LENGTH: 18
76 <212> TYPE: DNA
77 <213> ORGANISM: synthetic construct
79 <400> SEQUENCE: 7
80 ttggaggggg aggagggg          18
83 <210> SEQ ID NO: 8
84 <211> LENGTH: 18
85 <212> TYPE: DNA
86 <213> ORGANISM: synthetic construct
88 <400> SEQUENCE: 8
89 ttggaggggg aggtgggg          18
92 <210> SEQ ID NO: 9
93 <211> LENGTH: 18
94 <212> TYPE: DNA
95 <213> ORGANISM: synthetic construct
97 <400> SEQUENCE: 9
98 ttggagggcg tggtaggc          18
101 <210> SEQ ID NO: 10
102 <211> LENGTH: 18
103 <212> TYPE: DNA
104 <213> ORGANISM: synthetic construct
106 <400> SEQUENCE: 10
107 ttggagccgg tggtaggc          18
110 <210> SEQ ID NO: 11
111 <211> LENGTH: 18
112 <212> TYPE: DNA
113 <213> ORGANISM: synthetic construct
115 <400> SEQUENCE: 11
116 ttggaggggc tcctcggg          18
119 <210> SEQ ID NO: 12
120 <211> LENGTH: 16
121 <212> TYPE: DNA
122 <213> ORGANISM: synthetic construct
124 <400> SEQUENCE: 12
125 ttggagccgg tggtagg          16
128 <210> SEQ ID NO: 13
129 <211> LENGTH: 12
130 <212> TYPE: DNA
131 <213> ORGANISM: synthetic construct
133 <400> SEQUENCE: 13
134 ggggtggtgg gg          12
137 <210> SEQ ID NO: 14
138 <211> LENGTH: 10
139 <212> TYPE: DNA
140 <213> ORGANISM: synthetic construct
142 <400> SEQUENCE: 14
143 ggggttgggg          10
146 <210> SEQ ID NO: 15
147 <211> LENGTH: 5

```

RAW SEQUENCE LISTING DATE: 03/29/2001
 PATENT APPLICATION: US/09/331,204A TIME: 11:52:13

Input Set : A:\Sequence Listing.ST25.txt
 Output Set: N:\CRF3\03292001\I331204A.raw

```

148 <212> TYPE: DNA
149 <213> ORGANISM: synthetic construct
151 <400> SEQUENCE: 15
152 tggggg 5
155 <210> SEQ ID NO: 16
156 <211> LENGTH: 4
157 <212> TYPE: DNA
158 <213> ORGANISM: synthetic construct
160 <400> SEQUENCE: 16
161 gggg 4
164 <210> SEQ ID NO: 17
165 <211> LENGTH: 20
166 <212> TYPE: DNA
167 <213> ORGANISM: synthetic construct
169 <400> SEQUENCE: 17
170 cactgcgggg agggctgggg 20
173 <210> SEQ ID NO: 18
174 <211> LENGTH: 20
175 <212> TYPE: DNA
176 <213> ORGANISM: synthetic construct
178 <400> SEQUENCE: 18
179 atgggggtgca caaactgggg 20
182 <210> SEQ ID NO: 19
183 <211> LENGTH: 15
184 <212> TYPE: DNA
185 <213> ORGANISM: synthetic construct
187 <400> SEQUENCE: 19
188 aacgttgagg ggcac 15
191 <210> SEQ ID NO: 20
192 <211> LENGTH: 18
193 <212> TYPE: DNA
194 <213> ORGANISM: synthetic construct
196 <400> SEQUENCE: 20
197 ttccagcccc tcctcccc 18
200 <210> SEQ ID NO: 21
201 <211> LENGTH: 18
202 <212> TYPE: DNA
203 <213> ORGANISM: synthetic construct
205 <400> SEQUENCE: 21
206 aacctccccc accacccc 18
209 <210> SEQ ID NO: 22
210 <211> LENGTH: 22
211 <212> TYPE: DNA
212 <213> ORGANISM: synthetic construct
214 <400> SEQUENCE: 22
215 attcgatcgg ggcggggcga gc 22
218 <210> SEQ ID NO: 23
219 <211> LENGTH: 21
220 <212> TYPE: DNA

```

RAW SEQUENCE LISTING DATE: 03/29/2001
 PATENT APPLICATION: US/09/331,204A TIME: 11:52:13

Input Set : A:\Sequence Listing.ST25.txt
 Output Set: N:\CRF3\03292001\I331204A.raw

221 <213> ORGANISM: synthetic construct	
223 <400> SEQUENCE: 23	
224 cgcttgatga gtcagccgga a	21
227 <210> SEQ ID NO: 24	
228 <211> LENGTH: 26	
229 <212> TYPE: DNA	
230 <213> ORGANISM: synthetic construct	
232 <400> SEQUENCE: 24	
233 gatcgaactg accgcccgcg gcccoct	26
236 <210> SEQ ID NO: 25	
237 <211> LENGTH: 22	
238 <212> TYPE: DNA	
239 <213> ORGANISM: synthetic construct	
241 <400> SEQUENCE: 25	
242 agttgagggg actttcccag gc	22
245 <210> SEQ ID NO: 26	
246 <211> LENGTH: 22	
247 <212> TYPE: DNA	
248 <213> ORGANISM: synthetic construct	
250 <400> SEQUENCE: 26	
251 tgtcgaatgc aaatcactag aa	22
254 <210> SEQ ID NO: 27	
255 <211> LENGTH: 27	
256 <212> TYPE: DNA	
257 <213> ORGANISM: synthetic construct	
259 <400> SEQUENCE: 27	
260 agagattgcc tgacgtcaga gagctag	27
263 <210> SEQ ID NO: 28	
264 <211> LENGTH: 25	
265 <212> TYPE: DNA	
266 <213> ORGANISM: synthetic construct	
268 <400> SEQUENCE: 28	
269 gcagagcata taaggtagg tagga	25

VERIFICATION SUMMARY DATE: 03/29/2001
PATENT APPLICATION: US/09/331,204A TIME: 11:52:14

Input Set : A:\Sequence Listing.ST25.txt
Output Set: N:\CRF3\03292001\I331204A.raw

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date